HistoricBridges.org - National Bridge Inventory Data Sheet

2000 Inventory

The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.
Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Michigan [26]	Genesee County [049]	Flint [29000]	1.0 BLOCK W OF SAGINAW ST	00-00-00 = 0.000000	000-00-00 = -0.000000

254238800260B01	Highway agency district: 4	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		

Route: 2002		BEACH GARLAND STS	Toll: On free road [3]	Features intersected: FLINT RIVER	

Design - main: Concrete [1]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
2	Arch - Deck [11]	0	Other [00]	Year built: 1921	Year reconstructed: N/A [0000]
				Skew angle: 42	Structure Flared:
				Historical significance: Bridge is on the NRHP. [1]	

Total length: 52.4 m = 171.9 ft	Length of maximum span: 26.2 m = 86.0 ft	Deck width, out-to-out: 16 m = 52.5 ft	Bridge roadway width, curb-to-curb: 11.5 m = 37.7 ft		
Inventory Route, Total Horizontal Clearance: 11.5 m = 37.7 ft	Curb or sidewalk width - left: 1.8 m = 5.9 ft	Curb or sidewalk width - right: 1.8 m = 5.9 ft			

Deck structure type	Not applicable [N]
Type of wearing surface	Not applicable (applies only to structures with no deck) [N]
Deck protection	Not applicable (applies only to structures with no deck) [N]
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]

Weight Limits

Bypass, detour length: 0.2 km = 0.1 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 14.5 metric ton = 16.0 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 32.7 metric ton = 36.0 tons		
	Bridge posting: 20.0 - 29.9 % below [2]		Design Load: MS 18+Mod / HS 20+Mod [6]		

Functional Details

Average Daily Traffic	6625	Average daily truck traffi	7 %	Year	1995	Future average daily traffic	11965
Year	2015						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	3	Approach roadway width	10.3 m = 33.8 ft		
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control			
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	99.9 = Unlimited	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A	Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]				
Appraisal ratings - underclearances	N/A [N]						

Repair and Replacement Plans

Type of work to be performed

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	1000	Roadway improvement cost	1000
Length of structure improvement	52.4 m = 171.9 ft	Total project cost	
Year of improvement cost estimate	1991		
Border bridge - state		Border bridge - percent responsibility of other state	0
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructur	Serious [3]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of replacement [2]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Serious [3]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	2

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	March 1999 [0399]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [N24]	Underwater inspection date	
Fracture critical inspection	Unknown [N24]	Fracture critical inspection date	
Other special inspection	Unknown [N24]	Other special inspection date	